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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,422	06/26/2001	Tim M. Hoberock	10005234-1	2786

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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

PARK, CHAN S

ART UNIT	PAPER NUMBER
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2625

DATE MAILED: 06/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/892,422	HOBEROCK ET AL.	
	Examiner	Art Unit	
	CHAN S. PARK	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-8,11-20,22 and 25-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 3-8, 11-20, 22 and 25-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

DOUGLAS Q. TRAN
PRIMARY EXAMINER

Tran

Chan S. Park

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/22/06 has been entered. Currently, **claims 1, 3-8, 11-20, 22 and 25-27** are pending.

Response to Arguments

2. Applicant's arguments with respect to **claims 1, 3-8, 11-20, 22 and 25-27** have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

3. Claims are objected to because of the following informalities:

Claim 12, line 2, "erase the writing surface" should be -- erase the image on the writing surface --;

Claim 15, lines 3, "provide an image" should be -- provide the image --;

Claim 25, lines 7, "an image" should be -- the image --; and

Claim 27, lines 6, "an image on a writing surface" should be -- the image on the writing surface--.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 18 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It recites the presentation board comprising an electronic image. It is respectfully noted that an electronic image is not in a form of a physical structure. Examiner suggests amending the claim as -- a memory adapted to store the scanned image in electronic form --.

5. Claim 18 recites the limitation "an electronic image" in line 7. There is insufficient antecedent basis for this limitation in the claim. It is uncertain if this electronic image is referring the displayed image in line 2.

6. Claim 27 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It recites "erasing the image" in line 8. It is unclear if it is erasing the image saved in the memory or the image printed on the writing surface.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 15-20 and 25-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Carau (EP 0996276A2).

7. With respect to claim 1, Carau discloses a presentation system (fig. 1) comprising:

a writing surface couple with a frame (col. 2, lines 40-42), the writing surface being adapted to receive erasable ink (abstract);

a printer coupled with the frame (fig. 1), the printer including a printhead (20) configured to print an image on the writing surface with erasable ink (abstract), wherein the printhead is adapted to move along a traverse rail (col. 2, lines 40-42 & col. 3, lines 33-53); and

a scanner adapted to scan the writing surface (col. 2, lines 47-51).

8. With respect to claim 3, Carau discloses the presentation system of claim 1 wherein the traverse rail is adapted to traverse the writing surface (col. 2, lines 40-42).

9. With respect to claim 15, Carau discloses the presentation system of claim 1 in combination with a processor having memory, the processor being in communication with the printer and adapted to provide the image to the printer to be printed on the writing surface (col. 4, lines 1-12).

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10. With respect to claim 16, Carau discloses the presentation system of claim 1 wherein the erasable ink is dry-erase ink (abstract).

11. With respect to claim 17, Carau discloses the presentation system of claim 1 wherein the writing surface is 2' x 3' or larger. It is inherent by the definition of the writing surface as a sign and from the figures that the writing surface is larger than 2' x 3'.

12. With respect to claim 18, Carau discloses a presentation system comprising:
a presentation board adapted to display an image for simultaneous viewing by a plurality of viewers (fig. 1), the presentation board comprising:

a writing surface (fig. 1); and

a printer disposed to print non-permanent ink onto the writing surface

(abstract);

a scanner adapted to scan the writing surface (col. 2, lines 47-51);

an electronic image (fig. 1); and

a processor adapted to transmit the electronic image to the printer (abstract).

13. With respect to claim 19, Carau discloses the presentation system of claim 18 wherein the printhead is adapted to print with erasable ink and the writing surface is adapted receive erasable ink (abstract).

14. With respect to claim 20, Carau discloses the presentation system of claim 19, wherein the erasable ink is dry-erase ink (abstract).

15. With respect to claim 25, Carau teaches a method for creating an image to be viewed during a presentation comprising:

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obtaining, in electronic form, the image to be viewed (abstract);

sending the image to a presentation system including a printer with a printhead adapted to print erasable ink onto a writing surface (abstract);

printing the image on the writing surface (abstract);

scanning the image on the writing surface (col. 2, lines 47-51);

saving the scanned image in electronic form (abstract); and

printing the scanned image on the writing surface at a later time (abstract).

16. With respect to claim 26, Carau discloses a presentation system (fig. 1) comprising:

a writing surface coupled with a frame (col. 2, lines 40-42), the writing surface being adapted to receive erasable ink (abstract);

a printer coupled with the frame, the printer including a printhead adapted to move along a traverse rail (col. 2, lines 40-42 & col. 3, lines 33-53), where the printhead is configured to print an image on the writing surface with erasable ink (abstract); and

a scanner adapted to scan the writing surface (col. 2, lines 47-51).

17. With respect to claim 27, Carau teaches a method for creating an image to be viewed on a presentation system during a presentation, wherein the presentation system includes a writing surface (fig. 1), a printer with a printhead adapted to print erasable ink onto the writing surface (abstract), and a scanner configured to scan an image on the writing surface (col. 2, lines 47-51), the method comprising:

scanning the image on the writing surface (col. 2, lines 47-51);

saving the scanned image in electronic form (abstract);

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erasing the image on the writing surface (abstract); and
printing the scanned image on the writing surface at a later time using the printer
(abstract).

It is apparent that the image on the writing surface needs to be erased first in
order to print the scanned image back onto the whiteboard (abstract).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3-8, 12-20 and 22 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Bruce-Sanders U.S. Patent No. 4,429,478 in view of Carau.

18. With respect to claim 1, Bruce-Sanders discloses a presentation system (fig. 1)
comprising:

a writing surface (10A) couple with a frame (20), the writing surface being
adapted to receive erasable ink (dry erase ink; col. 4, line 9); and

a printer coupled with the frame (carriage 12 performs printing across the board),
the printer including a printhead (14) configured to print an image on the writing surface
with erasable ink (col. 4, lines 5-29), wherein the printhead is adapted to move along a
traverse rail (col. 4, lines 34-36).

Bruce-Sanders, however, does not disclose explicitly that the presentation system includes a scanner adapted to scan the writing surface.

Carau, the same field of endeavor of the presentation printing system with erasable ink, discloses a presentation system including a scanner adapted to scan the writing surface (col. 2, lines 47-51).

At the time of the invention, it would have been obvious to one of ordinary skill in the art to include the scanner of Carau into the presentation system of Bruce-Sanders.

The suggestion/motivation for doing so would have been to scan the image on the writing board and print the scanned image back on the writing board at a later time (abstract of Carau).

Therefore, it would have been obvious to combine Bruce-Sanders with Carau to obtain the invention as specified in claim 1.

19. With respect to claim 3, Bruce-Sanders discloses the presentation system, wherein the traverse rail is adapted to traverse the writing surface (col. 4, lines 30-37). Also, read col. 2, lines 40-42 of Carau.

20. With respect to claim 4, Bruce-Sanders discloses the presentation system, wherein the writing surface is adapted to move past the printhead (figs. 8 & 9).

21. With respect to claim 5, Bruce-Sanders discloses the presentation system, wherein the writing surface is a flexible sheet configured for selected passage past the printhead (fig. 9).

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22. With respect to claim 6, Bruce-Sanders discloses the presentation system further comprising a roller mechanism configured to engage the flexible sheet to pass the flexible sheet past the printhead (fig. 9).

23. With respect to claim 7, Bruce-Sanders discloses the presentation system wherein the flexible sheet forms a continuous loop (fig. 9).

24. With respect to claim 8, Bruce-Sanders discloses the presentation system wherein the rollers are motor-driven and adapted to rotate the rollers such that the writing surface is moved past the printhead (fig. 9, the roller rotated by motor 128 moving the surface 110 past the printhead 114).

25. With respect to claim 12, Bruce-Sanders discloses the presentation system including an eraser adapted to erase the image on the writing surface (eraser roller 16 in col. 4, lines 20-22).

26. With respect to claim 13, Bruce-Sanders discloses the presentation system wherein the eraser is adapted to traverse the writing surface (col. 6, lines 52-54).

27. With respect to claim 14, Bruce-Sanders discloses the presentation system wherein the writing surface is adapted to move past the eraser (figs. 8 & 9).

28. With respect to claim 15, Bruce-Sanders discloses the presentation system in combination with a processor having memory (CPU 100 and memory 101), the processor being in communication with the printer (print commands to interface 105) and adapted to provide the image to the printer to be printed on the writing surface (Fig. 7 shows the command signals used to control the carriage for printing an image that

has been retrieved from memory, see cols. 7 & 8). Also, read col. 4, lines 1-12 of Carau.

29. With respect to claim 16, Bruce-Sanders discloses the presentation system wherein the erasable ink is dry-erase ink (col. 4, line 8).

30. With respect to claim 17, Bruce-Sanders discloses the presentation system wherein the writing surface is 2' x 3' or larger. It is inherent by the definition of the writing surface as a sign and from the figures that the writing surface is larger than 2' x 3'.

31. With respect to claim 18, Bruce-Sanders discloses a presentation system comprising:

- a presentation board adapted to display an image for simultaneous viewing by a plurality of viewers (fig. 1), the presentation board comprising:

- a writing surface (fig. 1); and

- a printer disposed to print non-permanent ink onto the writing surface (col. 4, lines 5-29);

- an electronic image (col. 7, lines 38-49); and

- a processor adapted to transmit the electronic image to the printer (col. 7, lines 38-49).

Carau, the same field of endeavor of the presentation printing system with erasable ink, discloses a presentation system including a scanner adapted to scan the writing surface (col. 2, lines 47-51).

At the time of the invention, it would have been obvious to one of ordinary skill in the art to include the scanner of Carau into the presentation system of Bruce-Sanders.

The suggestion/motivation for doing so would have been to scan the image on the writing board and print the scanned image back on the writing board at a later time (abstract of Carau).

Therefore, it would have been obvious to combine Bruce-Sanders with Carau to obtain the invention as specified in claim 18.

32. With respect to claim 19, Bruce-Sanders discloses the presentation system wherein the printhead is adapted to print with erasable ink and the writing surface is adapted to receive erasable ink (col. 4, lines 5-29).

33. With respect to claim 20, arguments analogous to those presented for claim 16, are applicable.

34. With respect to claim 22, arguments analogous to those presented for claim 12, are applicable.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Bruce-Sanders and Carau as applied to claim 1 above, and further in view of Takayama et al. U.S. Patent No. 4,587,568 (hereinafter Takayama).

35. With respect to claim 11, the combination does not disclose an attached second printer in communication with the scanner.

Takayama teaches a scanner (image scanner 20) which scans the image off of a presentation board shown in fig. 2 that is very similar to the printing presentation system

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of the combination of Bruce-Sanders and Carau. Further, Takayama discloses an attached second printer in communication with the scanner to print out the scanned images in col. 2, lines 66-68).

At the time of the invention, it would have been obvious to one of ordinary skill in the art to include the attached second printer of Takayama into the presentation of Bruce-Sanders and Carau.

The suggestion/motivation for doing so would have been to print out the displayed image on a paper.

Therefore, it would have been obvious to combine three references obtain the invention as specified in claim 11.

Conclusion

36. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHAN S. PARK whose telephone number is (571) 272-7409. The examiner can normally be reached on M-F 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

csp
June 1, 2006

Chan S. Park
Examiner
Art Unit 2625

Chan S. Park

DOUGLAS Q. TRAN
PRIMARY EXAMINER

Douglas Q. Tran